



PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 9

Complete if Known

Application Number	10577513
Filing Date	04-27-2006
First Named Inventor	Jon R. Bedson
Art Unit	2885
Examiner Name	Thomas M. Sember

Attorney Docket Number PHO-2.006.PCT.US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- 6200134	03-00-2001	Kovac, et al.	
		US- 5490049	02-06-1996	Montalan, et al.	
		US- 5397867	03-00-1995	Demeo, Gregory B.	
		US- 6058012	05-00-2000	Cooper, et al.	
		US- 6318886	11-00-2001	Stopa, et al.	
		US- 6796698	09-00-2004	Sommers, et al.	
		US- 6573536	06-03-2003	Dry	
		US- 4118873	10-10-1978	Rothchild	
		US- 5418384	05-23-1995	Yamana, et al.	
		US- 4684801	08-04-1987	Carroll, et al.	
		US- 5522225	06-04-1996	Eskandari	
		US- 6155699	12-00-2000	Miller, et al.	
		US- 4530040	17-00-1985	Petterson, Tor H.	
		US- 6459919	10-01-2002	Lys, et al.	
		US- 6882331	04-19-2005	Wu	
		US- 6534791	03-18-2003	Hayashi, et al.	
		US- 6937754	08-30-2005	Eguchi	
		US- 6291839	09-18-2001	Lester	
		US- 6419384	07-16-2002	Lewis, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>if known</i>)				
1		JP2003268042	09-00-2003	Chisso Corp.		
2		EP1469529	10-20-2004	Martin		
3		EP1467416	10-13-2004	Barnett, et al.		
4		WO2004038759	06-06-2004	Dahm		
5		WO9854227	12-03-1998	Koninklijke Philips Elect		
6		WO04011848A2	02-05-2004	Dahm, Jonathan		

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		Number-Kind Code ² (if known)			
		US- 4685139	07-1987	Masuda, et al.	
		US- 5018853	05-1991	Hechel, et al.	
		US- 5660461	08-26-1997	Ignatius, et al.	
		US- 5880828	03-1999	Nakamura et al.	
		US- 5195102	03-16-1993	McLean, et al.	
		US- 6995348	02-07-2006	Bradley, et al.	
		US- 7009165	03-07-2006	Hehemann, et al.	
		US- 2004/0011457	01-22-2004	Kobayashi, et al.	
		US- 7071493	07-04-2006	Owen, et al.	
		US- 6578986	06-2003	Swaris et al.	
		US- 6724473	04-2004	Leong, et al.	
		US- 7102172	09-2006	Lynch, et al.	
		US- 7179670	02-2007	Shelton, et al.	
		US- 2004/0090794	05-13-2004	Ollette, et al.	
		US- 2004/0135159	07-15-2004	Siegel	
		US- 2001/0046652	03/07/2001	Ostler, et al.	
		US- 2004/0057873	03-25-2004	Yerazunis, et al.	
		US- 2005/0098299	05-12-2005	Goodson, Kenneth E.; et al.	
		US- 2005/087750	04-28-2005	Braddell, Jules; et al.	

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7		GB2399162	09-08-2004	Clayton		
8		GB2396331	06-23-2004	Noutary, et al.		
9		GB2224374	08-1988	Dakin, et al.		
10		JP404204333	11-1990	Sogo, et al	Abstract & Figs.only	
11		WO04078477	09-16-2004	Integration Technology		
12		WO2004009318	01-29-2004	Kennedy, et al.		

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				Examiner Name	Thomas M. Sember
				Attorney Docket Number	PHO-2.006.PCT.US
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		US4011575	03-08-1977	Groves	
		US6607286	08-19-2003	West , et al.	
		US6800500	10-05-2004	Coman , et al.	
		US6831303	12-14-2004	Dry	
		US6525335	02-25-2003	Krames , et al.	
		US6547249	04-15-2003	Collins, III , et al.	
		US6578989	06-17-2003	Osumi , et al.	
		US6630689	10-07-2003	Bhat , et al.	
		US6686581	02-03-2004	Verhoeckx , et al.	
		US6815724	09-11-2004	Dry; Joel M.	
		US6822991	11-23-2004	Collins, III , et al.	
		US6992335B2	01-31-2006	Ohkawa	
		US6163036	12-19-2000	Taninaka, et al.	
		US5892579	04-06-1999	Elyasaf, et al.	
		US6088185	07-11-2000	Ratliff, et al.	
		US6141040	10-31-2000	Toh	
		US5554849	09-10-1996	Gates	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10577513
Sheet	4	of	9
		Attorney Docket Number	PHO-2.006.PCT.US

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Examiner Initials	Cite No.	Document Number Number - Kind Code	Publication Date (mm-dd-yyyy)	Name of Patentee or Applicant	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US4734714	03-29-1988	Takasu , et al.	
		US5150623	09-29-1992	Woods	
		US6222207	04-24-2001	Carter-Coman , et al.	
		US5436710	07-25-1995	Uchiyama	
		US5479029	12-26-1995	Uchida , et al.	
		US5449926	09-12-1995	Holm , et al.	
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		US5632551	05-27-1997	Roney , et al.	
		US5698866	12-16-1997	Doiron , et al.	
		US5715270	02-03-1998	Zediker , et al.	
		US5877899	03-02-1999	Stern , et al.	
		US5661645	08-26-1997	Hochstein	
		US5936353	08-10-1999	Triner , et al.	
		US6160354	12-12-2000	Ruvinskiy , et al.	
		US6258618	07-10-2001	Lester	
		US6273596	08-14-2001	Parkyn, Jr.	
		US6328456	12-11-2001	Mize	
		US6299329	10-09-2001	Mui , et al.	

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Sheet	5	of	9	Filing Date	04-27-2006
				First Named Inventor	Jon R. Bedson
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				Examiner Name	Thomas M. Sember
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		US6420199	07-16-2002	Coman , et al.	
		US6424399	07-23-2002	Shimada , et al.	
		US6441873	08-27-2002	Young	
		US6445124	09-03-2002	Asai , et al.	
		US6798152	09-28-2004	Rooke , et al.	
		US6826059	11-30-2004	Bockle , et al.	
		US6836081	12-28-2004	Swanson , et al.	
		US6869635	03-22-2005	Kobayashi	
		US6367950	04-09-2002	Yamada , et al.	
		US6375340	04-23-2002	Biebl , et al.	
		US6288497	09-11-2001	Chang , et al.	
		US6340868	01-22-2002	Lys , et al.	
		US6498355	12-24-2002	Harrah , et al.	
		US6536923	03-25-2003	Merz	
		US4595289	06-17-1986	Feldman, et al.	
		US5424544	06-13-1995	Shelton, et al.	

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		US20040134603A1	07-15-2004	Kobayashi, Hideo ; et al.	
		US20050152146	07-14-2005	Mark Owen	
		US20040026721A1	02-12-2004	Dry, Joel M.	
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		US20040000677A1	01-01-2004	Dry, Joel M.	
		US20040119084A1	06-24-2004	Hsieh, Min-Hsun ; et al.	
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		US20040238111A1	12-02-2004	Siegel, Stephen B.	
		US20030038943	02-00-2003	Almarzouk, et al.	

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		US2007051964A1	03-08-2007	Owen; Mark D. ; et al.	
		US20070278504A1	12-06-2007	Jasmin; Roland ; et al.	
		US20020187454	12-00-2002	Melikechi, et al.	
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		US20020151941	10-17-2002	Okawa, Shinichi ; et al.	
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		US2004201988A1	10-14-2004	Allen, David	
		US2005018424A1	01-27-2005	Popovich, John M.	
		US2005082673A1	04-21-2005	Fujiwara, Hiroyuki ; et al.	
		US20070109790	05-17-2007	Anderson; Duwayne R. ; et al.	
		US6554451	04-29-2003	Keuper	
		US6561640	05-13-2003	Young	
		US5555038	09-10-1996	Conway	
		US6366017	04-02-2002	Antoniadis , et al.	
		US5003357	03-26-1991	Kim , et al.	
		US5857767	01-12-1999	Hochstein	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10577513	
Sheet:	8	of	9	Filing Date	04-27-2006
				First Named Inventor	Jon R. Bedson
				Art Unit	2885
				Examiner Name	Thomas M. Sember
				Attorney Docket Number	PHO-2.006.PCT.US

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code – Number – Kind Code	Publication Date (mm-dd-yyyy)	Applicant	Relevant Passages or Figures
13	DE8815418		02-16-1989	Isensee-Electronic-GMBH	
14	EP0560605		03-11-1993	Sharp Kabushiki Kaisha	
15	JP59035492		02-27-1984	TOKYO SHIBAURA ELECTRIC CO	
16	WO02086972A1		10-31-2002	Plasma Ireland Limited	
17	WO9716679		05-09-1997	Hewlett Packard Co.	
18	WO0037904		06-29-2000	Koninkl Philips Electronics	
19	WO0102846		01-11-2001	Corning Inc. Corning Applied	
20	WO0206723		01-24-2002	Sirona Dental Sys GMBH & Co.	
21	WO06072071A2		07-06-2006	Phoseon Technology, Inc.	
22	WO05043598A2		05-12-2005	Phoseon Technology, Inc.	
23	WO0213231		02-14-2002	Osram Opto Semiconductors	
24	WO0226270		04-04-2002	Garmbro Inc.	
25	EP0935145		08-11-1999	Ims Ind Micro System	
26	EP1158761		11-28-2001	Gretag Imaging Trading Ag	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

9

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	27	PCT International Search Report dated November 19, 2003 and International Preliminary Examination Report dated September 29, 2003 for International PCT Application No. PCT/US03/14625, filed May 8, 2003, 6 pages.		
	28	PCT International Search Report and Written Opinion dated August 26, 2005 for International PCT Application No. PCT/US05/09407, filed March 18, 2005, 11 pages.		
	29	PCT International Search Report and Written Opinion dated June 17, 2005 for International PCT Application No. PCT/US04/36370, filed November 1, 2004, 6 pages.		
	30	PCT International Search Report and Written Opinion dated October 13, 2006 for International PCT Application No. PCT/US05/13448, filed April 19, 2005, 8 pages.		
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	35	Electromagnetic spectrum (http://www.brocku.ca/earthsciences/people/gfinn/optical/spectrum.gif)		
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	37	PERKOWSKI, James; "Spacing of High-Brightness LEDs on Metal Substrate PCB's for Proper Thermal Performance," IEEE Inter Soc. Conference on Thermal Phenom, 2004,		
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Examiner		Date Considered		

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